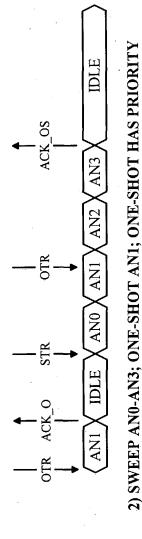
APPLICATION FILING DATE: JULY 29, 2003
TITLE: TECHNIQUES FOR CONTEXT-BASED ANALOG-TO-DIGITAL SIGNAL CONVERSION
INVENTOR(S): YASHO POTLAPALLI ET AL.
APPLICATION SERIAL NO.: UNASSIGNED SHEET 1 OF 5 CONVERTER SELECTION LOGIC SOFTWARE / FIRMWARE CONTROL 106 -OTHER--▶ -SWEEP TR--1-SHOT TR TRIGGER SELECTION LOGIC .112 -FIXED 1-SHOT TR (AN1) MODE SELECT

APPLICATION FILING DATE: JULY 29, 2003
TITLE: TECHNIQUES FOR CONTEXT-BASED ANALOG-TO-DIGITAL SIGNAL

CONVERSION
INVENTOR(S): YASHO POTLAPALLI ET AL.
APPLICATION SERIAL NO.: UNASSIGNED

SHEET 2 OF 5





FIG

OTR

0

ACK

OTR



ACKNOWLEDGE ONE-SHOT

ACK OS

AN4

IDLE

ANI

0

DNY

OTR

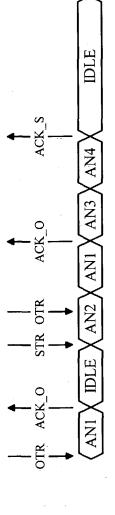
STR

0

ACK

OTR

AND SWEEP

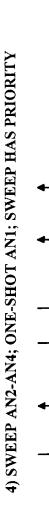


3) SWEEP AN2-AN4; ONE-SHOT AN1; ONE-SHOT HAS PRIORITY

AN2

AN0

ANI



APPLICATION FILING DATE: JULY 29, 2003

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CONVERSION

INVENTOR(S): YASHO POTLAPALLI ET AL.
APPLICATION SERIAL NO.: UNASSIGNED

SHEET 3 OF 5

302

ASSOCIATE A FIRST REQUEST WITH A
CHANGEABLE SET OF A PLURALITY OF INPUT
TERMINALS, A SECOND REQUEST WITH A
CHANGEABLE ONE OF THE INPUT
TERMINALS, AND A THIRD REQUEST WITH A
FIXED ONE OF THE INPUT TERMINALS

304

RECEIVE ONE OF THE FIRST, SECOND, AND THIRD REQUESTS

306

CONVERT AN ANALOG SIGNAL PRESENTED AT ONE OF THE INPUT TERMINALS INTO A DIGITAL VALUE BASED ON THE RECEIVED ONE OF THE FIRST, SECOND, AND THIRD TYPES

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INVENTOR(S): YASHO POTLAPALLI ET AL.
APPLICATION SERIAL NO.: UNASSIGNED

SHEET 4 OF 5

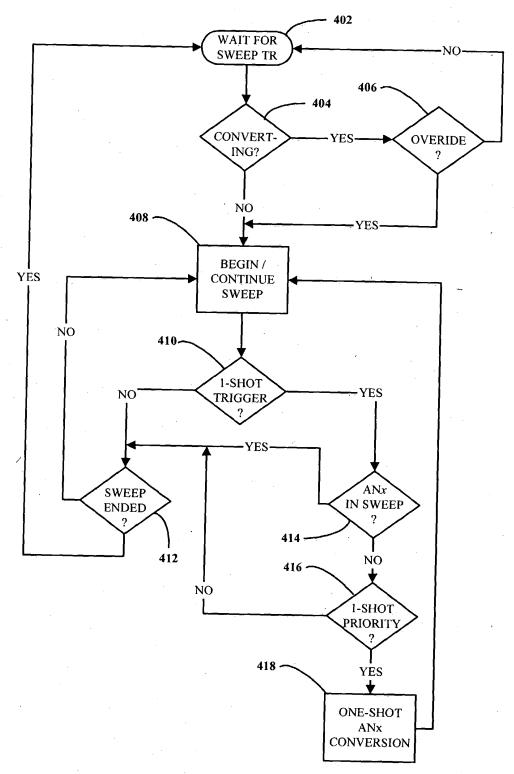
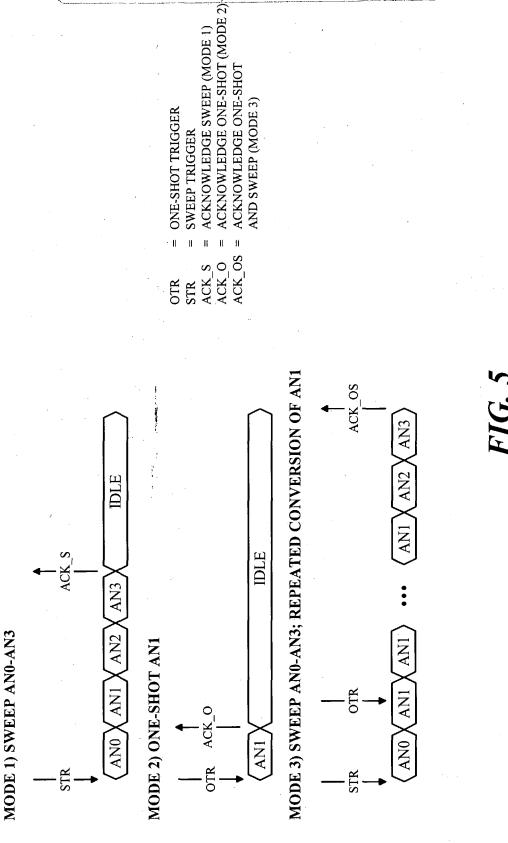


FIG. 4



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SHEET 5 OF 5